Bureau of Land Management



Amarillo Field Office Helium Operations

Statistical Report for May - 2004





Distribution:

Fluid Minerals Group Manager, Washington Office NMSO, New Mexico State Director NMSO, Associate State Director NMSO, Petroleum Engineer Field Manager, Amarillo Field Office Assistant Field Managers (3)

Team Leaders

- -Federal Leased Lands
- -Resources Evaluation & Gas Analysis
- -Natural Gas Engineering

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Amarillo, Texas

Issued: August 3, 2004

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Table 1 - Summary	о пени	III Opei	alions						ivia	y - 2004
In Kind Sales	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges E	Billed (\$)**
Total month	0	0	0	0	0	0	0	0		\$0
Total FYTD	46,859	3,270	0	13,999	14,267	24,553	102,948	101,355		\$5,396,667
Total CYTD	19,253	1,743	0	4,675	10,125	15,454	51,250	50,457		\$2,724,845
In Kind Transfers							Month	FYTD	CYTD	Cumulative
Transferred Volume outstanding							50,207 367	147,550	100,988	1,307,488
				A	\	0		0-1	01):III (#**
Open Market Sales Total month				Award	Volume 0	Outst	anding (168,900)	Sales 168,900	Charges E	\$9,120,600
Total FYTD					675,600		168,900	506,700		\$27,361,800
Total CYTD					0		,	487,800		\$26,341,200
Open Market Transfers							Month	FYTD	CYTD	Cumulative
Transferred							168,400	916,200	506,200	2,146,200
Volume outstanding							500			
Natural Gas/Liquids Sales	[Natural (Gas (Mcf)	NGL	s (gal)	Deca	therms	\$/unit	Charges E	Billed (\$)**
Total month			306,051		87,750		326,802	\$5.7926		\$1,885,226
Total FYTD			1,888,904		410,180		2,095,714	\$5.0804		\$10,582,609
Total CYTD			1,395,092		360,970		1,521,984	\$5.2670		\$7,965,233
		Month		Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
	Helium	Helium		Low	Purity	Belov	w 50%	C	ontained Heli	ım
Purchased Helium	Mixture	Percent	Helium	He	lium	He	lium	0	ontained riein	
Total purchased			040.007					4 000 750	007.400	32,176,145
Helium transferred Purchased helium in storage			218,607					1,063,750	607,188	5,439,028
Private Plant Activity										20,707,117
•	80,984	67.6%	54,755	737	9,918	(223)	(1,721)	504,359	305,914	8,308,586
Accepted in storage system Redelivered from storage system	(227,976)	73.7%	(168,066)	0	9,916	226	526	(1,259,092)	(784,316)	(12,871,470)
				-		220	320	,		
Total apparent crude produced ^A	179 442	72 1%	129297							8 260 342
Total apparent crude produced^ Total apparent crude refined^	179,442 (326,434)	72.1% 74.3%	129,297					1,083,101	(1.148.695)	8,260,342 (13,379,137)
Total apparent crude produced^ Total apparent crude refined^	179,442 (326,434)	72.1% 74.3%	129,297 (242,608)					(1,838,782)	(1,148,695)	(13,379,137)
	(326,434)	74.3%					erred Gas	(1,838,782) Stored	(1,148,695) Charge	(13,379,137) es Billed
Total apparent crude refined^	(326,434) Gross Gas	74.3% Helium	(242,608) Metered Gas	Helium	Cumulative	He	lium	(1,838,782) Stored Helium	(1,148,695) Charge (\$	(13,379,137) es Billed)**
	(326,434)	74.3% Helium nth	(242,608)		Cumulative 25,677,646			(1,838,782) Stored	(1,148,695) Charge	(13,379,137) es Billed
Total apparent crude refined^ Storage Contract Activity	(326,434) Gross Gas Mo	74.3% Helium	(242,608) Metered Gas	Helium CYTD	Cumulative 25,677,646 24,696,324	He Month	lium Cumulative	(1,838,782) Stored Helium	(1,148,695) Charge (\$	(13,379,137) es Billed)**
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd	(326,434) Gross Gas Mo 79,998 227,664 0	74.3% Helium nth 54,532 167,840 0	(242,608) Metered Gas FYTD 502,638 1,258,566 0	Helium CYTD 305,037 783,795	25,677,646 24,696,324 1,478,718	He Month 278,699 60,092	Cumulative 28,691,712 25,880,437	Stored Helium EOM	(1,148,695) Charge (\$ Month \$308,320 \$89,757	s Billed ** FYTD Storage Fees RMF Fees
Total apparent crude refined^ Storage Contract Activity Crude Acquired Crude Disposed	(326,434) Gross Gas Mo 79,998 227,664	74.3% Helium nth 54,532 167,840	(242,608) Metered Gas FYTD 502,638 1,258,566	Helium CYTD 305,037 783,795	25,677,646 24,696,324	He Month 278,699 60,092	Cumulative 28,691,712 25,880,437	(1,838,782) Stored Helium	(1,148,695) Charge (\$ Month \$308,320	s Billed ** FYTD Storage Fees
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance	Gross Gas Mo 79,998 227,664 0 (147,666)	74.3% Helium nth 54,532 167,840 0	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928)	Helium CYTD 305,037 783,795 0 (478,758)	25,677,646 24,696,324 1,478,718 (497,396)	He Month 278,699 60,092 0 218,607	lium Cumulative 28,691,712 25,880,437 0 2,811,275	(1,838,782) Stored Helium EOM 2,313,879	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077	s Billed ** FYTD Storage Fees RMF Fees \$2,918,043
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd	Gross Gas Mo 79,998 227,664 0 (147,666)	74.3% Helium nth 54,532 167,840 0	(242,608) Metered Gas FYTD 502,638 1,258,566 0	Helium CYTD 305,037 783,795 0 (478,758)	25,677,646 24,696,324 1,478,718	He Month 278,699 60,092 0 218,607	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since \$	(1,838,782) Stored Helium EOM 2,313,879	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077	s Billed ** FYTD Storage Fees RMF Fees \$2,918,043
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance	Gross Gas Mo 79,998 227,664 0 (147,666)	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928)	Helium CYTD 305,037 783,795 0 (478,758)	25,677,646 24,696,324 1,478,718 (497,396)	He Month 278,699 60,092 0 218,607	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since \$	Stored Helium EOM 2,313,879	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077	s Billed ** FYTD Storage Fees RMF Fees \$2,918,043
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. co	Gross Gas Mo 79,998 227,664 0 (147,666) erations	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Moi	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824	He Month 278,699 60,092 0 218,607 Year Net 29,775,145	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620	Stored Helium EOM 2,313,879 Start of on Program Net 490,620	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0	s Billed ** FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity	Gross Gas Mo 79,998 227,664 0 (147,666) erations	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185)	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603)	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620 40,071,018	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638	s Billed s FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. co Net Activity Total in underground storage	Gross Gas Mo 79,998 227,664 0 (147,666) erations	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Moi	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824	He Month 278,699 60,092 0 218,607 Year Net 29,775,145	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620	Stored Helium EOM 2,313,879 Start of on Program Net 490,620	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0	s Billed ** FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. co Net Activity Total in underground storage Native Gas	Gross Gas Mo 79,998 227,664 0 (147,666) erations	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Moi Gross 40,678,830 (117,192) 40,561,638	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fisca Gross 41,328,824 (767,185) 40,561,638	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603)	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620 40,071,018 40,561,638	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638	s Billed s FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period	Gross Gas Mo 79,998 227,664 0 (147,666) erations	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185) 40,561,638	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603)	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620 40,071,018 40,561,638 265,724,755	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638	(13,379,137) as Billed *** FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity	Gross Gas Mo 79,998 227,664 0 (147,666) erations	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Moi Gross 40,678,830 (117,192) 40,561,638	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fisca Gross 41,328,824 (767,185) 40,561,638	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603)	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620 40,071,018 40,561,638	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638	(13,379,137) as Billed *** FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month	Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237)	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248)	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603)	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservatio Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021)	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 318,727,000 (115,713,266)	(13,379,137) as Billed *** FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month Native Gas plus Conservation Native Gas plus Conservation	(326,434) Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources f period	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237) 203,013,734	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fisca Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248) 203,013,734	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603)	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservatic Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021) 203,013,734	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 318,727,000 (115,713,266) 203,013,734	(13,379,137) as Billed *** FYTD Storage Fees RMF Fees \$2,918,043 nce scovery Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month	(326,434) Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources f period	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237)	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248)	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603) 29,231,543	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservatio Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021)	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 318,727,000 (115,713,266)	(13,379,137) as Billed *** FYTD Storage Fees RMF Fees \$2,918,043 ace scovery Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month Native Gas plus Conserva Total gases in place, beg. of period	(326,434) Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources f period	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237) 203,013,734	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fisca Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248) 203,013,734	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603) 29,231,543	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021) 203,013,734	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 318,727,000 (115,713,266) 203,013,734	(13,379,137) as Billed *** FYTD Storage Fees RMF Fees \$2,918,043 ace scovery Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month Native Gas plus Conserva Total gases in place, beg. of per Net Activity Total gases in place, end of month Native Gas plus Conserva Total gases in place, end of month Net Activity Total gases in place, end of month	Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources of period	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237) 203,013,734 244,187,802 (612,430)	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248) 203,013,734 247,564,806 (3,989,433) 243,575,373	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603) 29,231,543	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservatic Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021) 203,013,734 266,215,375 (22,640,002) 243,575,373	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 40,561,638 318,727,000 (115,713,266) 203,013,734	(13,379,137) IS Billed Storage Fees RMF Fees \$2,918,043 ICC SCOVERY Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month Native Gas plus Conserva Total gases in place, beg. of per Net Activity Total gases in place, end of month Helium Resources Evalua	Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources of period ention Gases	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237) 203,013,734 244,187,802 (612,430)	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248) 203,013,734 247,564,806 (3,989,433) 243,575,373 Month	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603) 29,231,543	Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservation Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021) 203,013,734 266,215,375 (22,640,002) 243,575,373 FYTD	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 40,561,638 318,727,000 (115,713,266) 203,013,734	(13,379,137) IS Billed Storage Fees RMF Fees \$2,918,043 ICC SCOVERY Net 0 29,231,543 29,231,543
Storage Contract Activity Crude Acquired Crude Disposed Grade-A Rdlvrd Net/Balance Bush Dome Reservoir Ope Conservation gases from In underground storage, beg. of Net Activity Total in underground storage Native Gas Total in place, beg. of period Net Activity Total in place, end of month Native Gas plus Conserva Total gases in place, beg. of per Net Activity Total gases in place, end of month Native Gas plus Conserva Total gases in place, end of month Net Activity Total gases in place, end of month	Gross Gas Mo 79,998 227,664 0 (147,666) erations all sources of period onth tion al Lease Hol	74.3% Helium nth 54,532 167,840 0 (113,308)	(242,608) Metered Gas FYTD 502,638 1,258,566 0 (755,928) Mol Gross 40,678,830 (117,192) 40,561,638 203,508,972 (495,237) 203,013,734 244,187,802 (612,430)	Helium CYTD 305,037 783,795 0 (478,758) nth Net 29,313,867 (82,324)	25,677,646 24,696,324 1,478,718 (497,396) Fiscal Gross 41,328,824 (767,185) 40,561,638 206,235,982 (3,222,248) 203,013,734 247,564,806 (3,989,433) 243,575,373	He Month 278,699 60,092 0 218,607 Year Net 29,775,145 (543,603) 29,231,543	lium Cumulative 28,691,712 25,880,437 0 2,811,275 Since S Conservatic Gross 490,620 40,071,018 40,561,638 265,724,755 (62,711,021) 203,013,734 266,215,375 (22,640,002) 243,575,373	(1,838,782) Stored Helium EOM 2,313,879 Start of on Program Net 490,620 28,740,923	(1,148,695) Charge (\$ Month \$308,320 \$89,757 \$398,077 Sir Field Di Gross 0 40,561,638 40,561,638 40,561,638 318,727,000 (115,713,266) 203,013,734	(13,379,137) IS Billed Storage Fees RMF Fees \$2,918,043 ICC SCOVERY Net 0 29,231,543 29,231,543

Helium Enrichment Unit Operations	Month			FYTD			Cumulative		
	Helium-Gas	Helium		Helium-Gas	Helium		Helium-Gas	Helium	
	Mixture	Percent	Helium	Mixture	Percent	Helium	Mixture	Percent	Helium
Gas Processed									
Plant feed	647,690	22.6%	146,134	3,840,222	19.3%	740,102	6,601,936	16.6%	1,092,966
Helium product	180,648	77.8%	140,478	923,184	77.4%	714,602	1,349,401	76.9%	1,037,122
Residue natural gas	317,432	0.0%	0	1,880,957	0.0%	403	3,410,602	0.0%	414
Vent, flare & plant losses	140,386	4.0%	5,656	1,029,109	2.4%	25,210	2,154,856	2.6%	55,543
Helium recovery efficiency			96.1%			96.6%			94.9%

^{*} Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

[^] Other sources of helium are accessed but data are not available

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**
In Kind Helium	1					•			
Aeriform, Contract	no. INC98-0	101							(billed quarterly)
Month FYTD									
AGA Gas, Inc., Con	tract no. INC	C98-0102							
Month									
FYTD AirGas, Inc., Contra	ect no INC9	R_0103							
Month	101 110. 11403	0 0100							
FYTD			200 0404						
Air Liquide America Month	a, L.P., Cont	ract no. INC	98-0104						
FYTD									•
Air Products, L.P.,	Contract no.	. INC98-010	5						
Month FYTD									
BOC Gases, Contra	ct no. INC9	8-0106					$\rightarrow \leftarrow$	^	
Month									
FYTD Corp Brothers, Inc.	. Contract n	o. INC98-01	07						
Month	, commute ii	01 111000 01	<u> </u>						
FYTD	la a Country	ant man INIO	20.04.00		\bigcirc		//		
FIBA Technologies Month	, inc., Contra	act no. INCS	98-0108						
FYTD									
General Air Service	& Supply C	o., Contrac	t no. INC9	8-0109					
Month FYTD									
Jack B. Kelley Co.,	Contract no	. INC98-011	0						
Month FYTD					7/				
Portland Welding S	l upply, Cont	ract no. INC	98-0111		/				
Month	11.37								
FYTD Praxair, Inc., Contra	act no INCO	Q_0112	-(\rightarrow					
Month	10. 11409	0-0112	+	//					
FYTD		$A \subset$							
United States Weld	ing, Inc., Co	ntract	NC98-0113	3					
Month FYTD									
Tri-Gas, Inc., Contra	ac no. INC	s-0114							
Month FYTD									
Messer Griesheim	nd., trac	ct no. INC00)-0115						
Month									
FYTD	•								
Total month	0	0	0	0	0	0	0	0	\$0
Total FYTD	46,859	3,270	0		14,267			101,355	\$5,396,667
Total CYTD Cumulative	19,253 751,840	1,743 21,672	0 58		10,125 195,702	,	51,250 1,328,421	50,457 1,307,780	\$2,724,845 \$65,632,922
In Kind Transf		_1,072	30	.02,010	. 55,7 52		Month	FYTD	CYTD Cumulative
Transferred	1					ľ	50,207	147,550	100,988 1,307,488
Volume outstanding							367	,	, , , , , , , , ,

^{*} Volumes in Mcf at 14.7 psia & 70°F

⁺ Volumes in Mcf at 14.65 psia & 60°F

	Award Volume*	Outstanding*	Sales*	Charges	Billed (\$)**
Conservation Helium					
Air Liquide America, L.P.					(billed quarterly)
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	50,000		50,000	\$2,625,000	
Air Products, L.P.					
Month	0	0	0	\$0	
FYTD	0	0	0	\$0	
Cumulative	680,400		680,400	\$35,721,000	
BOC Gases					
Month	0	(137,500)	137,500	\$7,425,000	
FYTD	550,000	137,500	412,500	\$22,275,000	
Cumulative	1,384,000		1,246,500	\$66,060,000	
Keyes Helium Co.					
Month	0	(18,900)	18,900	\$1,020,600	
FYTD	75,600	18,900	56,700	\$3,061,800	
Cumulative	151,200		132,300	\$7,030,800	
AGA Gas, Inc.					
Month	0	(12,500)	12,500	\$675,000	
FYTD	50,000	12,500	37,500	\$2,025,000	
Cumulative	50,000		37,500	\$2,025,000	
Total month	0	(168,900)	168,900		\$9,120,600
Total FYTD	675,600	168,900	506,700		\$27,361,800
Total CYTD	0		487,800		\$26,341,200
Cumulative	2,315,600		2,146,700		\$113,461,800
Open Market Transfers		Month	FYTD	CYTD	Cumulative
Transferred		168,400	916,200	506,200	2,146,200
Volume outstanding		500			

^{*} Volumes in Mcf at 14.65 psia & 60°F

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	\$/unit	Charges	Billed (\$)**				
Natural Gas/Li	quids Sales									
El Paso Natural Ga	s	Provides Firm/Interr	uptible natural gas t	ransportation service	ces	(billed monthly)				
Month	304,389		336,005	(\$0.0817)	(\$27,460)					
FYTD	1,843,093		2,036,738	(\$0.1079)	(\$219,681)					
Cumulative	3,034,514		3,359,086	(\$0.1144)	(\$384,442)					
Minerals Management Service Provides natural gas marketing services under a Cooperative Agreement										
Month				\$0.0000	\$0					
FYTD				\$0.0000	\$0					
Cumulative				(\$0.0041)	(\$12,448)					
Cenergy Marketing										
Month	304,389	0	317,600	\$5.837366	\$1,846,153					
FYTD	1,878,645	0	2,052,387	\$5.153453	\$10,512,349					
Cumulative	3,114,644	0	3,329,261	\$5.099090	\$16,881,636					
Seminole Transpor	tation & Gathering									
Month	0	87,750	9,202	\$7.230268	\$66,533					
FYTD	0	410,180	43,327	\$6.691923	\$289,941					
Cumulative	0	410,180	43,327	\$6.691923	\$289,941					
		_								
Total month	304,389	87,750	326,802	\$5.792560		\$1,885,226				
Total FYTD	1,878,645	410,180	2,095,714	\$5.080435		\$10,582,609				
Total CYTD	1,387,515	360,970	1,521,984	\$5.267015		\$7,965,233				
Cumulative	3,114,644	410,180	3,372,588	\$5.001872		\$16,774,688				

^{***} Volumes in Mcf at 14.73 psia & 60°F

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$34,195	\$4,653,375
Natural Gas Royalties (1)	\$3,199	\$25,480
Natural Gas Rentals	\$0	\$0
Other	\$6,790	\$37,529
Revenue Collected from Federal Lease Holds	\$39,486	\$4,685,715

^{*}Totals do not sum

Helium Analysis and Evaulation	Month	FYTD
Number of Sample Request Letters Sent	13	56
Number of Samples Received	2	17
Number of Samples Analyzed	7	31
Total Number of Samples Analyzed For Resources Division	9	46
Total Number of Samples Analyzed (2)	83	724

U. S. Helium Production

Domestic	CY Volumes
1998 Helium Sold	4,029,755
1999 Helium Sold	4,203,019
2000 Helium Sold	4,564,589
2001 Helium Sold	4,756,719
2002 Helium Sold	4,584,904
2003 Helium Sold	4,399,944
2004 Helium Sold (projected)	4,500,000
Estimated Helium Resources (as of 01/01/2003)	305,000,000

		FY-2003	CY-2003
U.S. Helium Exports	(3)	1,457,623	1,487,258

- (1) Includes drip gas sales & other miscellaneous gas sales.
- (2) Includes pipeline, field survey, and other requested analyses.
- (3) Data from Department of Commerce Bureau of the Census.

Table 4 - Federal Acquisition & Storage Operations

All Volumes in Mcf at 1	4.65 psia & 6	60°F								
		Month		Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
	Helium-Gas Mixture	Helium Percent	Helium		Purity lium		v 50% lium	Contained Heliu		ium
Purchased						•		•		
Cities Service Helex - Jayhawk										6,403,147
National Helium Corp Liberal										11,561,830
Nothern Helex Co Bushton										4,475,921
Phillips Petroleum - Dumas										5,111,036
Phillips Petroleum - Sherman										4,624,211
Total purchased										32,176,145
Purchased helium produced/trans	sferred		218,607					1,063,750	607,188	5,439,028
Balance of purchased helium in s	torage									26,737,117
Bureau Plants	•									<u> </u>
Delivery/Handling Credit	0		0					0		13,205,259
Withdrawal	0		0					0		7,540,255
Private Plants								ī _p .		
Helium accepted under terminate	ed contracts (pre-	-FY96)								16,453,073
Helium redelivered under termina	ated contracts (p	re-FY96)								13,007,062
Pioneer - Fain*										
GPM - Dumas*										
Crescendo - Sunray*										\
Air Products - Guymon*									2//	. \
GPM - Sherhan*								(1		, /
GPM to APG+										
Total GPM - Sherhan										
Keyes Helium - Sturgis* ^							7/2		·	
Keyes Helium - Sturgis* ^										
Total Keyes Helium - Sturgis* ^								\smile		
D: 0 :						V //				

Praxair - Bushton*

Pioneer - Satanta* Williams - Baker* National Helium - Liberal* National to APL+

Total National Helium - Liberal Air Products - Liberal* Praxair - Jayhawk* ^ Praxair - Jayhawk* ^ Total Praxair - Jayhawk* ^ Amoco to Praxair+ CIG - Lakin* BOC Gases - Otis* ^ KN Processing - Bushton* KNP to Praxair+

Total KN Processing - Bushton

Flant mactive							_			
Accepted in storage system	80,984	67.6%	54,755	737	9,918	(223)	(1,721)	504,359	305,914	8,308,586
Redelivered from storage system	(227,976)	73.7%	(168,066)			226	526	(1,259,092)	(784,316)	(12,871,470)
Total apparent crude produced^	179,442	72.1%	129,297					1,083,101	669,346	8,260,342
Total apparent crude refined^	(326,434)	74.3%	(242,608)					(1,838,782)	(1,148,695)	(13,379,137)

- * Denotes CUSTODY TRANSFER activity in to or out of the crude helium pipeline system
- + Denotes activity between private plants that does not enter the crude helium pipeline system
- ^ Other sources of helium are accessed by helium refiners, but data are not available to BLM

Acquisition & Storage Summary - Contained Helium

	Month	FYTD	Cumulative
Total acquisition	54,755	504,359	70,143,063
Total disposition	168,066	1,259,092	42,348,859
Total stored in conservation system	(113,311)	(754,733)	27,794,204

Helium in pipeline system plus apparent losses	(1,437,339)
Helium in underground storage	29,231,543

All Volumes in Mcf at 14.65 psia & 60°F

All volunies		рока о		ed Gas			Transfe	erred Gas	Stored	Chara	es Billed
	Gross Gas	Helium %	Helium	eu Gas	Helium			elium	Helium	Charge	es billeu \$)**
	C1000 Cu5	Month	Hondin	FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD
Total All Contra	cts*								-		
Crude Acquired	79,998	68.2%	54,532	502,638	305,037	25,677,646	278,699	28,691,712			
Crude Disposed	227,664	73.7%	167,840	1,258,566	783,795	24,696,324	60,092	25,880,437		\$308,320	Storage Fees
Grade-A Rdlvrd	0		0	0	0	1,478,718				\$89,757	RMF Fees
Net/Balance	(147,666)		(113,308)	(755,928)	(478,758)	(497,396)	218,607	2,811,275	2,313,879	\$398,077	\$2,918,043
Total Prior Con	tracts (TERN	IINATED)									
Crude Acquired Crude Disposed				0	0	17,406,129	0	18,196,898			
Grade-A Rdlvrd				0	0	11,830,863 1,478,718	0	19,148,768			
Number of trailers				0	0	9,834		İ	0		
BOC Gases, Co	ntract no. 19	95-3249		0	0	3,004			<u> </u>		
Crude Acquired											
Crude Disposed										_	
Net/Balance								Ī		Ī	
Praxair, Inc., Co	ontract no. 19	95-3251				months - pro	jected depl	etion			
Crude Acquired											
Crude Disposed								_			\geq $^{\prime}$
Net/Balance	D. Contract	no 1005 0	ne e								
Air Products, L. Crude Acquired	.P., Contract	no. 1995-3.	256							\rightarrow	\longrightarrow
Crude Disposed											~
Net/Balance								İ	$ egthinspace{-1mm} egthinspa$		
Oneok Field Se	rvices. Contr	act no. 199	5-3258								
Crude Acquired	111000, 001111		0.00								
Crude Disposed								~ \			
Net/Balance									>		
ExxonMobil Ga	s Marketing (Co., Contra	ct no. 199	95-3280							
Crude Acquired											
Crude Disposed											
Net/Balance	1005 (2000					\Box \subset				
Pioneer, Contra Crude Acquired	101 no. 1995-3	3280				months -	iecte	√on I			
Crude Disposed											
Net/Balance						<,(İ		i ii	
Keyes Helium C	Co Contract	no. 1995-3	287							<u></u>	
Crude Acquired	,										
Crude Disposed				<u> </u>		\				_	
Net/Balance											
Messer Grieshe	eim Ind., Con	tract no. 19	98-3283		$\sqrt{}$	months - pro	jected depl	etion			
Crude Acquired											
Crude Disposed											
Net/Balance	0	2004 2006	, Ц	<u> </u>							
Linde Gas LLC,	Contract no	. 2001-3282									
Crude Acquired Crude Disposed		\sim									
Net/Balance								İ			
Mitsui & Co. (U.	.S.A.), / ., C	ract no.	2-328	9		months - pro	iected denl	etion			
Crude Acquired	10.74.),	9) 401 110.	2 020			months - pro	Jecteu depi	LIOII			
Crude Disposed											
Net/Balance								į			
Air Liquide Ame	erica, 📐 🔾 Co	ontract no.	2003-328	4							
Crude Acquired											
Crude Disposed											
Net/Balance											
Government He	elium			ſ							
Crude Acquired							0	32,176,145			
Crude Disposed:	In Kind Sales						50,207	_ ,]			
Not/Polores	Open Market/F	Reserve Sell	down				168,400	5,439,028	00 = 5 = : : 1		
Net/Balance									26,737,117		

Table 5 - Pipeline & Cliffside Field Operations

All Volumes in Mcf at 14.65 psia & 60°F

					Since Start of		Si	nce
	Mo	nth	Fiscal	Year Conservation		n Program	Field D	iscovery
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Conservation Pipeline								
Beginning of period inventory (1)	46,436	33,717	46,638	32,039	0	0	1	
Measured to pipeline (2)	266,312	198,882	1,977,984	1,419,940	112,853,937	80,602,550		
Measured from pipeline (3)	227,976	168,066	1,785,815	1,259,092	46,991,329	33,454,145		
Measured into Bush Dome (4)	39,940	30,984	183,632	142,031	64,540,639	46,379,568		
Calculated inventory (1+2-3-4)	44,832	33,550	55,175	50,856	1,321,969	768,837		
End of period inventory	44,415	33,083	44,415	33,083	44,415	33,083		
Line gain or (loss)	(418)	(467)	(10,761)	(17,773)	(1,277,554)	(735,754)		
Percent gain (loss) of total measured	-0.078%	-0.117%	-0.273%	-0.630%	-0.569%	-0.459%		
Bush Dome Reservoir Ope	erations							
Conservation gases from all source	es							
In underground storage, beg. of period	40,678,830	29,313,867	41,328,824	29,775,145	490,620	490,620	0	0
Injected during period to date	39,940	30,984	183,632	142,031	64,536,497	46,376,222	65,144,397	46,984,122
Withdrawn during period to date	157,132	113,308	950,817	685,634	24,511,628	17,681,448	24,628,908	17,798,728
Helium from Exell-Soncy	0	0	0	0	46,149	46,149	46,149	46,149
Total in underground storage	40,561,638	29,231,543	40,561,638	29,231,543	40,561,638	29,231,543	40,561,638	29,231,543
Native Gas								
Total in place, beg. of period	203,508,972		206,235,982		265,724,755		318,727,000	
Recoverable in place, beg. of period	194,457,972		197,184,982		256,673,755		309,676,000	
Production during period to date	495,237		3,222,248		62,711,021		115,713,266	
Total in place, end of month	203,013,734		203,013,734		203,013,734		203,013,734	
Recoverable in place, end of month	193,962,734	Λ	193,962,734		193,962,734	•	193,962,734	
Native Gas plus Conservation Gas	ses							
Total gases in place, beg. of period	244,187,802		247,564,806		266,215,375		318,727,000	
Total gases in place, end of month	243,575,373		243,575,373		243,575,373		243,575,373	
Change during period	(612,430)	((3,989,433)		(22,640,002)	•	(75,151,627)	
Ave. reservoir pressure, beg. of period	623.7		636.3		685.0		814.1	
Tuck Trigg Reservoir Oper			000.0		000.0	l	01	
Native Gas	ations							
Total in place, beg. of period	5,198,688		5,198,688		1		5,890,000	
Recoverable in place, beg. of period	4,528,688		4,528,688				5,220,000	
Production during period to date	4,328,000		4,320,000				691,312	
Total in place, end of month	5,198,688		5,198,688				5,198,688	
Recoverable in place, end of month	4,528,688		4,528,688				4,528,688	
received in place, end of month	7,020,000		4,020,000		1		7,020,000	
Ave. reservoir pressure, beg. of period	483.7		483.7				548.0	
Natural Gas Sales - Booste	-	ssor Ope	erations			To	tals	Cumulative
Field/HEU Compressor Operations	S					Month	FYTD	
Spot gas fuel price					\$ per/MMBTU	\$5.84	\$4.60	\$4.28
Fuel used					total MMBTU	7,430	53,398	164,230
Field compressor fuel revenue					\$dollars	\$690	\$35,138	\$389,577
HEU compressor fuel credit					\$dollars	\$26,620	\$107,882	\$159,978
#1 Compressor run time					hours	7	1389	14,875
#2 Compressor run time					hours	106	2178	7,749
#3 Compressor run time					hours	736	2170	5,609
Field Compressor Charges						Ch	arges Billed	(\$)*
BOC Gases, Contract no. 1995-3249								
Praxair, Inc., Contract no. 1995-3251								
Air Products, L.P., Contract no. 1995-								
Keyes Helium Co., Contract no. 1995-	-3287							
SubTotal - Cliffside Refiners, LP			ster compression	,		(\$59,648)	(\$490,658)	(\$3,200,276)
Cliffside Refiners, LP, GDA010003		(BLM provide	d fuel, labor, su	oplies, etc.)		<u>\$15,851</u>	<u>\$140,289</u>	\$756,782
Net Total - Cliffside Refiners, LP	•					(\$43,796)	(\$350,369)	(\$2,443,494)
						*R	Rounded to n	earest dollar

Table 6 - Helium Enrichment Unit Operations

All Volumes in Mcf at 14.65 psia & 60°F (*except where noted)

		Month		FYTD			Cumulative		
	Helium-Gas Helium			Helium-Gas	ium-Gas Helium		Helium-Gas Helium		
	Mixture	Percent	Helium	Mixture	Percent	Helium	Mixture	Percent	Helium
Gas Processed									
Plant feed	647,690	22.6%	146,134	3,840,222	19.3%	740,102	6,601,936	16.6%	1,092,966
Helium product	180,648	77.8%	140,478	923,184	77.4%	714,602	1,349,401	76.9%	1,037,122
Residue natural gas	317,432	0.0%	0	1,880,957	0.0%	403	3,410,602	0.0%	414
Vent, flare & plant losses	140,386	4.0%	5,656	1,029,109	2.4%	25,210	2,154,856	2.6%	55,543
Helium recovery efficiency			96.1%			96.6%			94.9%

		Month		FYTD			Cumulative		
	Volume*	KWh	Runtime	Volume*	KWh	Runtime	Volume*	KWh	Runtime
Natural gas liquids (*gallons)	85,768			418,916			418,916		
Utility Usage									
K100 compressor		517,799	744		3,374,631	4,871		8,331,191	8,859
K600 compressor		1,657,100	744		10,000,543	4,500		17,679,022	8,008
K610 compressor			744			4,321			7,257
Dew point control system			744		116,557	3,843		116,557	3,843
Other electrical usage		277,366			1,799,743	5,856		4,095,427	10,696
Fuel gas (*Mcf)	2,487			22,696			43,403		
Water (*gallons)	3,265			29,002			43,292		

HEU Runtime & Charges		onth	FY	TD	Cumulative	
Enrichment Unit Runtime	Runtime	Percent	Runtime	Percent	Runtime	Percent
Processing feed gas	744	100.0%	4,871	83.2%	8,859	82.8%
Producing natural gas liquids	744	100.0%	3,843	65.6%	3,843	35.9%
Producing helium product	744	100.0%	4,321	73.8%	7,257	67.8%
Producing residue gas	744	100.0%	4,500	76.8%	8,008	74.9%
Enrichment Unit Charges	Charges Billed (\$)*					

Enrichment Unit Charges		Charges Billed (\$)*	
Reservior Management Fees (RMF)	\$89,757	\$589,567	\$1,161,736
Total operating costs	(\$648,070)	(\$6,906,998)	(\$11,899,095)
Labor	\$32,270	\$281,973	\$731,962
Compressor fuel	\$16,269	\$106,914	\$133,503
HEU fuel	\$11,779	\$109,019	\$166,427
Electric power	\$111,375	\$827,584	\$1,142,266
Other	\$17,250	\$138,000	\$241,500
Sub Total - Items provided by BLM	<u>\$188,943</u>	\$3,233,982	<u>\$5,527,315</u>
Total - Cliffside Refiners, LP, GDA030001	(\$459,127)	(\$3,673,016)	(\$6,371,780)

*Rounded to nearest dollar